

Title (en)

Threshold-based safety circuit for a railway system

Title (de)

Schwellwertbasierter Sicherheitsschaltkreis für ein Eisenbahnsystem

Title (fr)

Dispositif de détection à seuil sécuritaire d'un système ferroviaire

Publication

EP 2104010 B1 20110119 (FR)

Application

EP 09154411 A 20090305

Priority

FR 0851762 A 20080319

Abstract (en)

[origin: EP2104010A1] The device has analog-digital conversion circuits (14, 18) i.e. analog-to digital converter, delivering an output signal. Comparison units (22, 24) compare the signal with a reference signal to provide state information of acquisition chains (3, 4). A fault detection circuit (26) i.e. subtracter, compares output signals in inputs (76, 78) and from the circuits (14, 18) and provides coherence result in output terminal (80). A decision member (28) e.g. programmed processor, delivers safety state information at output (90) based on the coherence result and comparison results of units (22, 24). An independent claim is also included for a method for safety threshold detection of state information from analog safety signals.

IPC 8 full level

G05B 9/03 (2006.01)

CPC (source: EP US)

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Cited by

GB2536452A; GB2536452B; EP2960922A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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DOCDB simple family (application)

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